

WHAT IS CLAIMED IS:

1. A locking unit of a cyclone dust collector of a vacuum cleaner, which is removably received in a receiving portion of a main body of the vacuum cleaner, comprising:

5 a locking recess formed at one side of a contact surface of the cyclone dust collector and the receiving portion;

a lock element, ascending and descending between a locking position and an unlocking position with respect to the locking recess and passing through a hole which is formed at another side of the contact surface of the cyclone dust collector and the receiving portion; and

10 an operating member to selectively move the lock element to the locking position and the unlocking position.

2. The locking unit of claim 1, wherein the locking recess is formed by depressing upwardly at a bottom side of the cyclone dust collector, and the lock element is received in a manipulating unit disposed at a lower portion of the receiving portion to move upward and
15 downward through the hole at a bottom side of the receiving portion.

3. The locking unit of claim 2, wherein the operating member comprises:
a grip rotatably exposed toward a front side of the manipulating unit;
a bar extending from the grip toward the lock element passing through the front side of the
20 manipulating unit; and
an operating cam formed eccentrically on a free end of the bar, the operating cam rotating together with the grip to move the lock element upward and downward.

4. The locking unit of claim 3, wherein, in the main body of the vacuum cleaner a
25 supporting rib is formed to rotatably support a terminal end of the extended bar.

5. The locking unit of claim 3, wherein, an indicator at the front side of the manipulating unit is disposed to indicate locking and unlocking of the lock element with respect to the locking recess.

5 6. The locking unit of claim 5, wherein the indicator includes means to securely fix the grip of the operating member in at least one of the locking position and the unlocking position.

7. The locking unit of claim 6, wherein the indicator includes a pair of limiting projections disposed at regular intervals within a rotating range of the grip to prevent excessive rotation of the
10 grip.

8. The locking unit of claim 3, wherein the main body of the vacuum cleaner comprises:
a body casing; and
a front panel coupled to a front side of the body casing to form a receiving portion, which
15 includes the manipulating unit at a lower portion thereof.